

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

1.(currently amended) A ball and socket swivel connector for connecting a scuba second stage regulator to an air pressure hose; the connector comprising:
a ball and socket, the ball having a hollow stem ~~for connection~~ connected to the hose, the socket having a threaded connector ~~for attachment~~ attached to the regulator;

a pair of spaced apart bushings ~~surrounding~~ sealingly engaging the ball within the socket ~~in sealing engagement~~ and forming an annular sealed gap between the bushings ~~therebetween~~; and

an O-ring surrounding the ball within said gap.

2.(currently amended) The connector recited in claim 1 further comprising a lubricant filling said sealed gap ~~adjacent said O-ring~~.

3.(currently amended) The connector recited in claim 1 wherein each of said bushings has a curved surface contacting said ball, the radius of each said curved surface being substantially equal to the radius of said ball.

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4.(canceled) The connector recited in claim 1 wherein each of said bushings is made of a low friction material.

5.(canceled) The connector recited in claim 4 wherein said low friction material comprises Teflon.

6.(original) The connector recited in claim 1 further comprising a boot for extending over said hose adjacent said ball and socket, said boot having a wiper portion extending over said socket for wiping sand from said socket upon rotation of said ball.

7.(currently amended) A ball and socket swivel connector for connecting a scuba second stage regulator to an air pressure hose; the connector comprising:

a hollow stem ~~for connection~~ connected to the hose, the socket having a threaded connection ~~for attachment~~ attached to the regulator; and

a boot for extending over said hose adjacent said ball and socket, said boot having a wiper portion extending over said socket for wiping sand from said socket upon rotation of ~~said~~ the ball of said ball and socket.

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8.(currently amended) The connector recited in claim 7 further comprising:
a pair of spaced apart bushings ~~surrounding~~ sealingly engaging the ball
within the socket ~~in sealing engagement~~ and forming an annular sealed gap between
the bushings ~~therebetween~~; and
an O-ring surrounding the ball within said sealed gap.

9.(currently amended) The connector recited in claim 8 further comprising a
lubricant filling said gap ~~adjacent said O-ring~~.

10.(currently amended) The connector recited in claim 8 wherein each of said
bushings has a curved surface contacting said ball, the radius of each said curved
surface being substantially equal to the radius of said ball.

11.(canceled) The connector recited in claim 8 wherein each of said
bushings is made of a low friction material.

12.(canceled) The connector recited in claim 8 wherein said low friction
material comprises Teflon.